AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

1. (Currently Amended): A printer which supports a power save mode and performs

printing by receiving a print request from a client via a network, comprising:

a packet monitor that monitors a packet on the network, and updates and stores client-

associated last received time by the client, the client-associated last received time being the last

time when the printer receives the packet for using the printer from the client;

a printer usage rate computer that determines client condition based on the client-

associated last received time, the client condition being idle condition when the packet is not

received for a predetermined time, and computes a printer usage rate when the client condition is

not the idle condition; and

a time setting unit that sets the length of time to switch to the

power save mode based on the printer usage rate.

2. (Previously Presented): The printer as claimed in claim 1, further comprising: a

switching unit that switches the power save mode to a standby mode when the printer usage rate

computed by the printer usage rate computer is higher than a predetermined value.

3. (Previously Presented): The printer as claimed in claim 1, wherein said time setting

unit determines the length of time allowed before a transition to the power save mode, by

determining a power save interval according to the printer usage rate and subtracting an elapsed

time in a mode other than the power save mode from the power save interval.

4. (Currently Amended): A power save control method using for a printer, the printer for

supporting a power save mode and performing print by receiving a print request from a client via

a network, the method comprising:

monitoring a packet on the network, and updating and storing client-associated last

received time by the client when the printer receives the packet for using the printer from the

client, the client-associated last received time being the last time when the printer receives the

packet for using the printer from the client;

determining client condition based on the client-associated last received time, the client

condition being idle condition when the packet is not received for a predetermined time, and

computing a printer usage rate when the client condition is not the idle condition; and

setting the length of time to switch to the power save mode based on the printer usage

rate.

5. (Previously Presented): The power save control method as claimed in claim 4, further

comprising: switching the power save mode to a standby mode when the printer usage rate is

higher than a predetermined value.

6. (Currently Amended): The power save control method as claimed in claim 4, wherein

a process of the setting further determines the length of time allowed before the transition to said

the power save mode, by determining a power save interval according to the printer usage rate

and subtracting an elapsed time in a mode other than the power save mode from the power save

interval.

7. (Currently Amended): A recording medium readable by a computer, the storage medium storing a program of instructions executable by the computer to perform a function for controlling a power save mode ~~using~~ for a printer, the printer for performing print by receiving a print request from a client via a network, the function comprising:

monitoring a packet on the network, and updating and storing client-associated last received time <u>by the client</u> when the printer receives the packet for using the printer from the client, the client-associated last received time being the last time when the printer receives the packet for using the printer from the client;

determining client condition based on the client-associated last received time, the client condition being idle condition when the packet is not received for a predetermined time, and

computing a printer usage rate when the client condition is not the idle condition; and

setting the length of time to switch to the power save mode based on the printer usage rate.

8. (Previously Presented): The storage medium as claimed in claim 7, further comprising: switching the power save mode to a standby mode when the printer usage rate is higher than a predetermined value.

9. (Previously Presented): The storage medium as claimed in claim 7, wherein a process of the setting further determines the length of time allowed before the transition to the power save mode, by determining a power save interval according to the printer usage rate and

subtracting an elapsed time in a mode other than the power save mode from the power save interval.

10. (Cancelled).

11. (New): The printer as claimed in claim 1, further comprising:

a list generator that generates a list of the clients which is working on the network when the packet is received by the printer.